Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/27/2019 09:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125164	0	2.17	125230	2.21
Blue	F	SSC	125000	123379	-2	2.01	124137	2.01
Blue	E	FITC	16433	16157	-2	2.72	352	19.47
Blue	D	PE	27595	27190	-2	1.93	593	14.53
Blue	B	PerCP-Cy5-5	43183	42531	-2	3.67	1142	19.94
Blue	A	PE-Cy7	31943	32142	0	6.04	611	40.14
Red	C	APC	42819	42090	-2	2.45	1487	12.16
Red	A	APC-Cy7	31261	30135	-4	2.34	797	12.00
Violet	B	V450	6527	6354	-3	3.90	357	12.85
Violet	A	V500	24533	23763	-4	3.70	555	10.20

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17876	9.91	614	14	N/A	N/A	Pass
Blue	F	SSC	56086	1.40	554	6	N/A	N/A	Pass
Blue	E	FITC	64	62.06	541	2	0.0212	111	Pass
Blue	D	PE	123	50.02	537	3	0.1746	302	Pass
Blue	B	PerCP-Cy5-5	210	48.37	646	4	0.0094	40	Pass
Blue	A	PE-Cy7	116	96.94	695	6	0.0113	11	Pass
Red	C	APC	354	25.04	579	-4	0.0240	112	Pass
Red	A	APC-Cy7	177	29.05	558	-5	0.0056	1076	Pass
Violet	B	V450	54	58.74	447	-8	0.0532	2063	Pass
Violet	A	V500	83	32.95	458	-9	0.0240	769	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.37	-31.87	1.03
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.49
Red	16.90	13.60 - 20.40	N/A	N/A	29.52	30.01	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10697

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments